

Figure 2

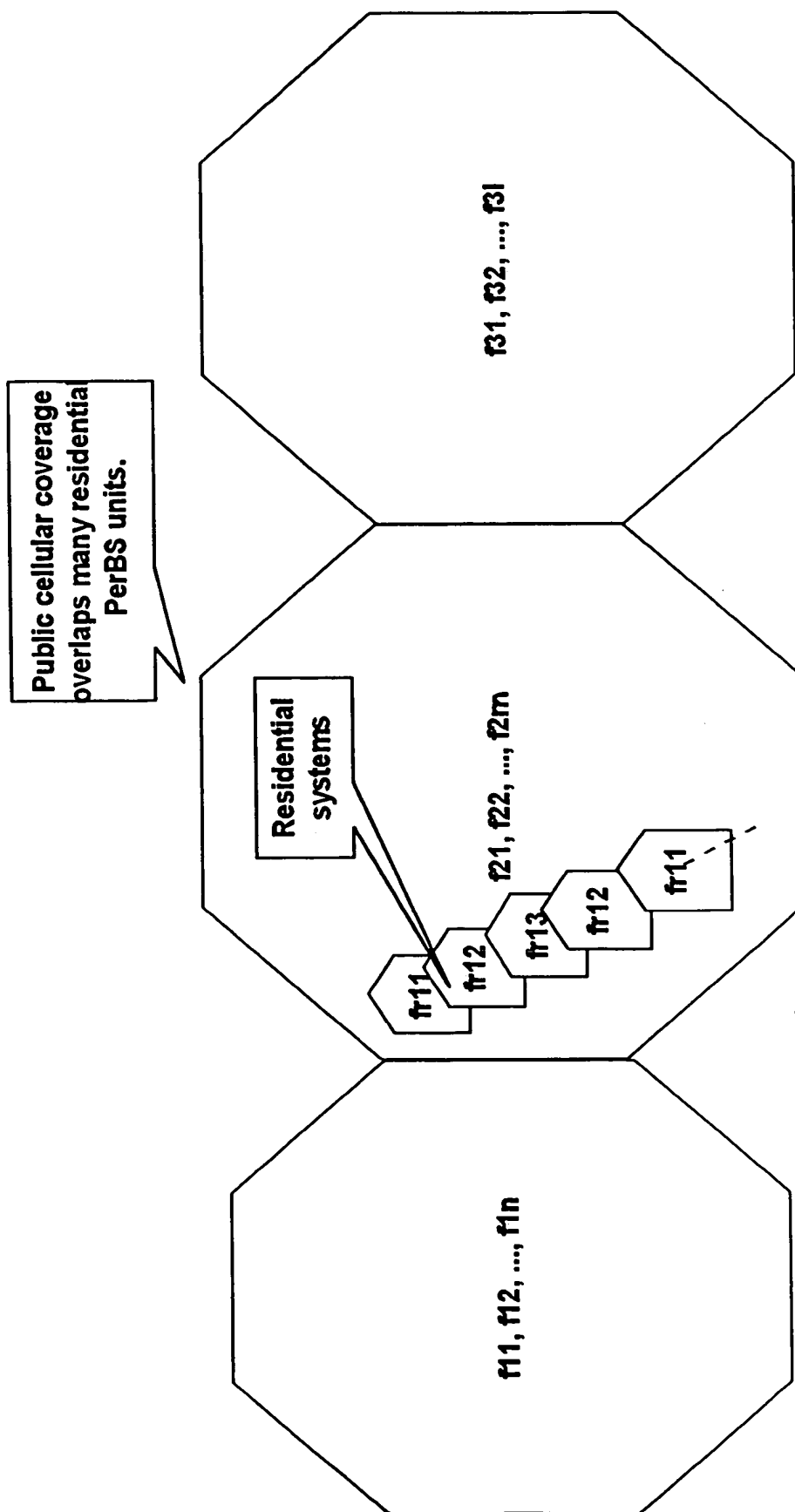


Figure 3

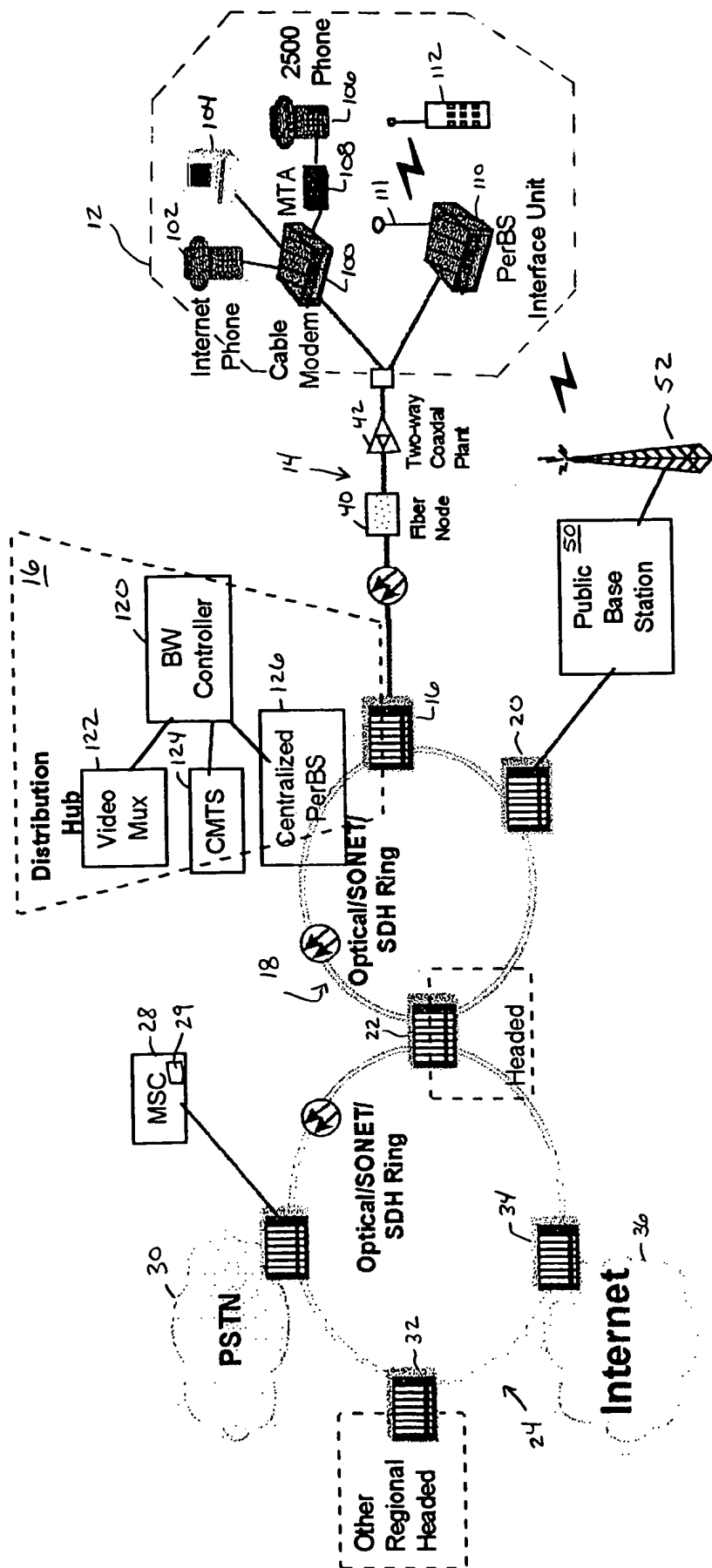


Figure 4 (a)

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HLR (Home Location Register) - User Database				
Public Network Function	Private Network Function	Residential Network Function	Acceptable combinations	Responsible Network
<p>429</p> <p>SID(Home System ID)/ ESN</p> <p>If using SIM card, a combination of SID and SID will be valid. WAP devices will use a combination of ESN and IP.</p>	<p>430</p> <p>PSID1 PSID2 PSID3 PSID4 PSID5</p> <p>Each PSID is associated with the SID of the surrounding (connecting) public network.</p>	<p>RSID1 RSID2 RSID3 RSID4 RSID5</p> <p>Each RSID is associated with the SID of the surrounding (connecting) public network.</p>	<p>Match/Confirm SID only</p> <p>Match any one PSID AND send information about the surrounding public network</p> <p>Match any one RSID AND send information about the surrounding public network</p>	<p>Public Network. If SID does not match then contact home base (using SID put out by handset) to confirm authorization for use.</p> <p>Private Network - also send the SID of the surrounding Public Network</p> <p>Residential Network - also send the SID of the surrounding Public Network</p>

MSC (Mobile Switching Center)

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FIGURE 4(6)

Handset - User
Profile - NAM

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User NAM - Network Access Method

Public Network information	Private NAM	Residential NAM	Logic and Algorithm
450 SID (Home System ID) - Number can be inserted only by service provider. ESN - This is an integral part of the handset. The SIM card uses SIMID which is an integral part of the card, and the NAM for Private of Residential. WAP device will have an EIN (integral part of the device) and IP - inserted by the service provider.	451 PSID1 - Number inserted by the business providing the Private network. Primary work location of the user. SIM Card can have all the valid PSID numbers with PSID1 having highest priority and PSID5 having lowest priority. PSID2 - Number inserted by the business providing the Private network. Secondary work location of the user. PSID3 PSID2 - Number inserted by the business providing the Private network. Other valid work location of the user. PSID4 PSID2 - Number inserted by the business providing the Private network. Other valid work location of the user. PSID5 PSID2 - Number inserted by the business providing the Private network. Other valid work location of the user.	452 RSID1 - Number inserted by end user or by Service provider, for primary residence only. SIM Card can have all the valid RSID numbers with RSID1 having highest priority and RSID5 having lowest priority. RSID2 - Number inserted by end user or by Service provider, for secondary residence only. RSID3 - Number inserted by end user or by Service provider, for permitted residences only. RSID4 - Number inserted by end user or by Service provider, for permitted residences only. RSID5 - Number inserted by end user or by Service provider, for permitted residences only.	453 If RSID1 is available, register only from RSID1, also broadcast the surrounding SID (built-in function). If no RSID match occurs, search for PSID, then register using PSID, intimate surrounding PSID (built-in function). If PSID does not match, then search for public SID. Match any one RSID AND pass on information about the surrounding public network Match any one RSID AND send information about the surrounding public network

FIGURE 4(c)

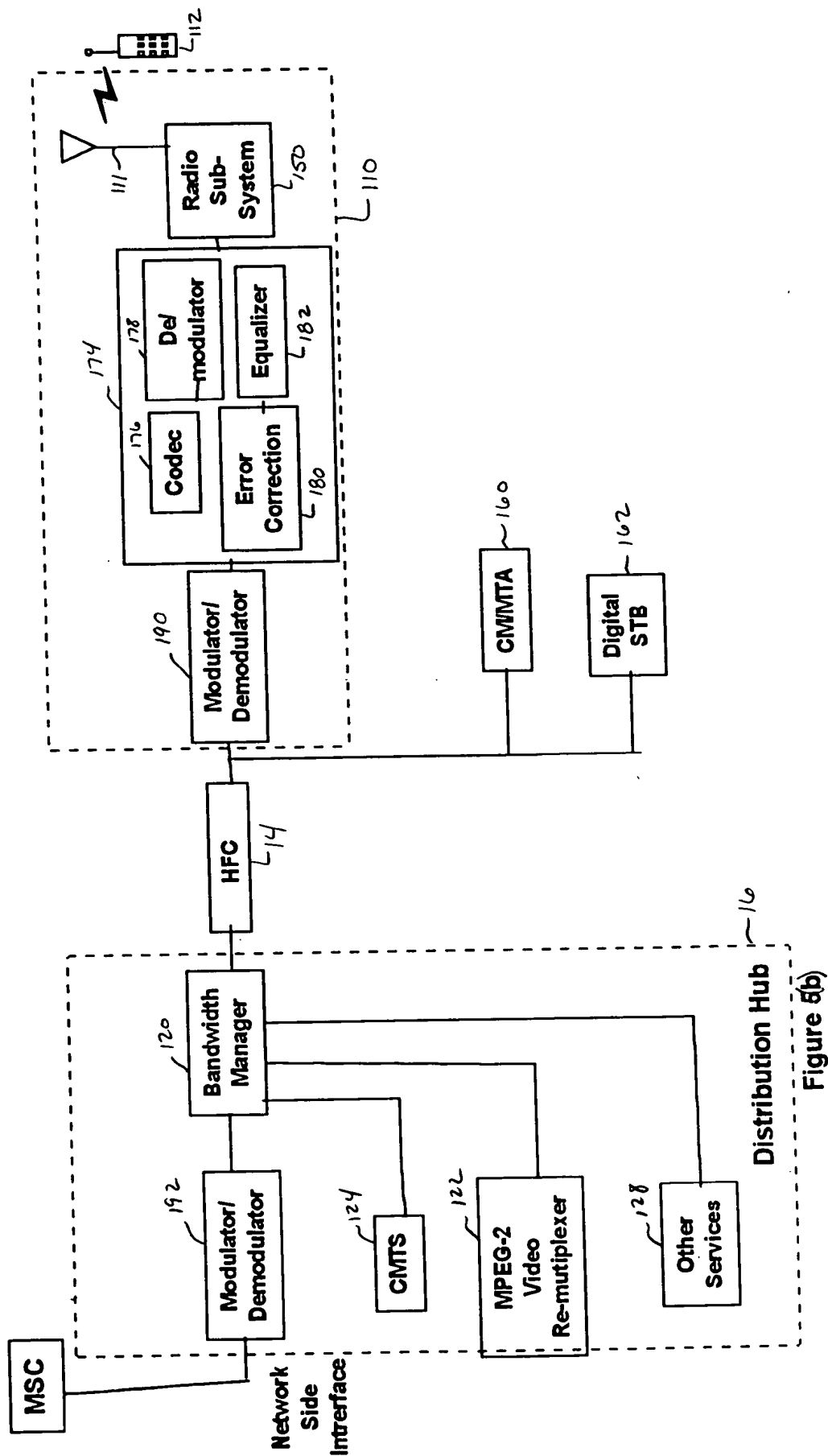


Figure 8(b)

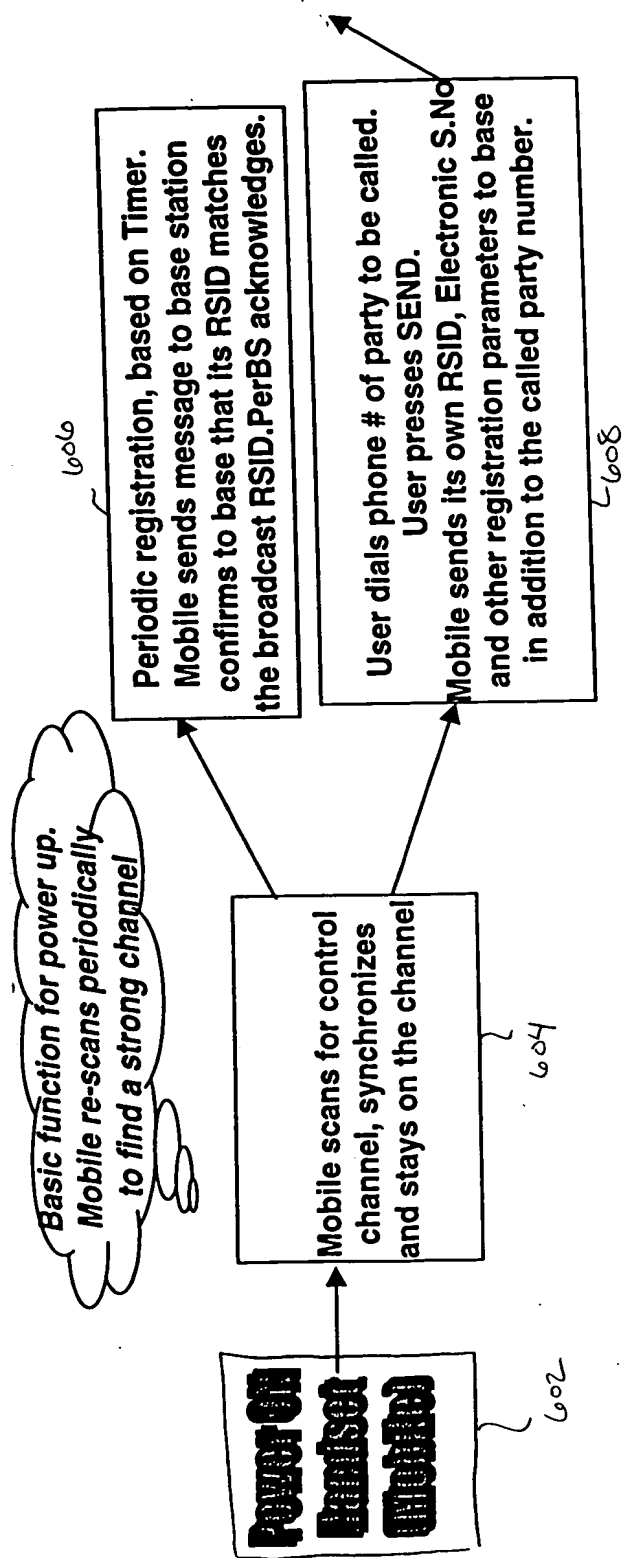
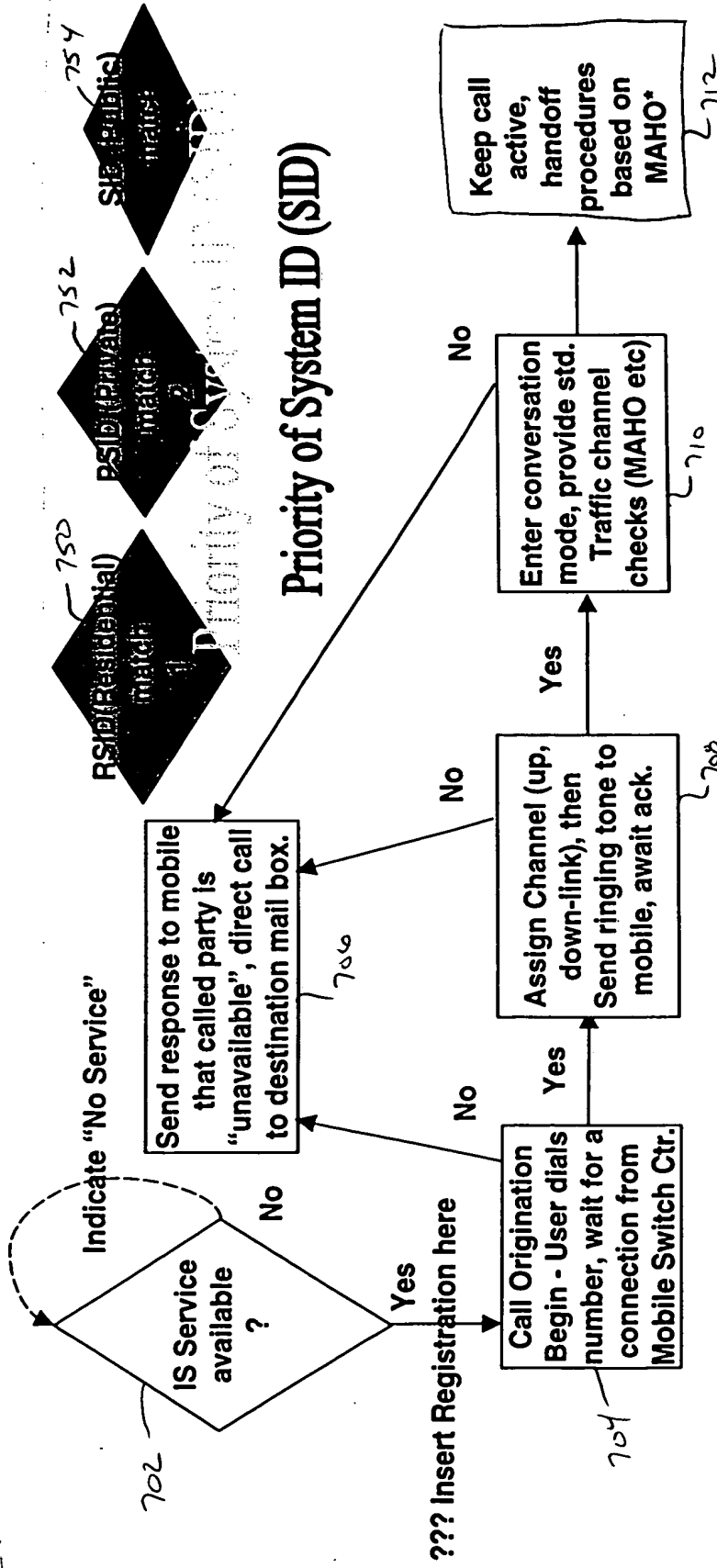
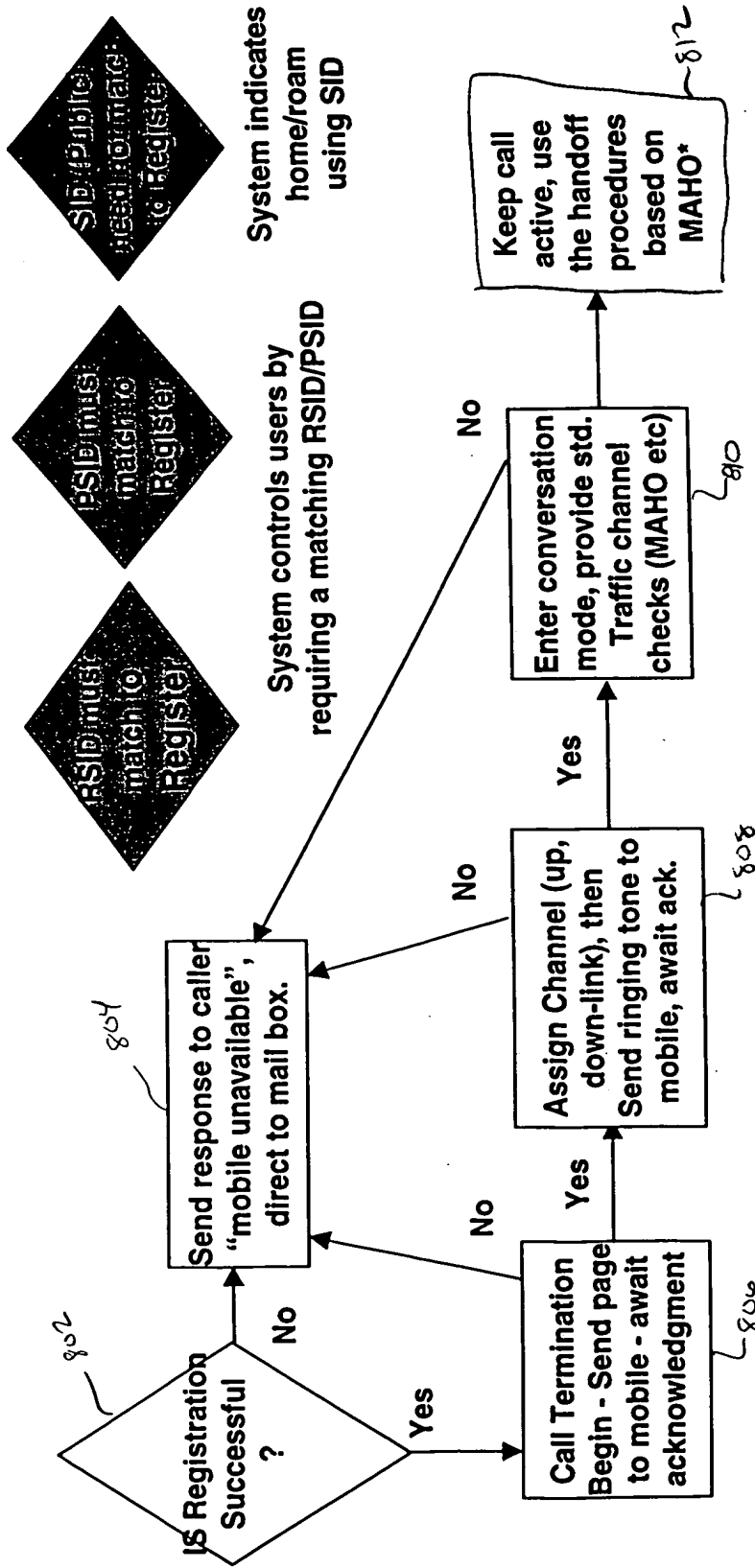


FIGURE 6



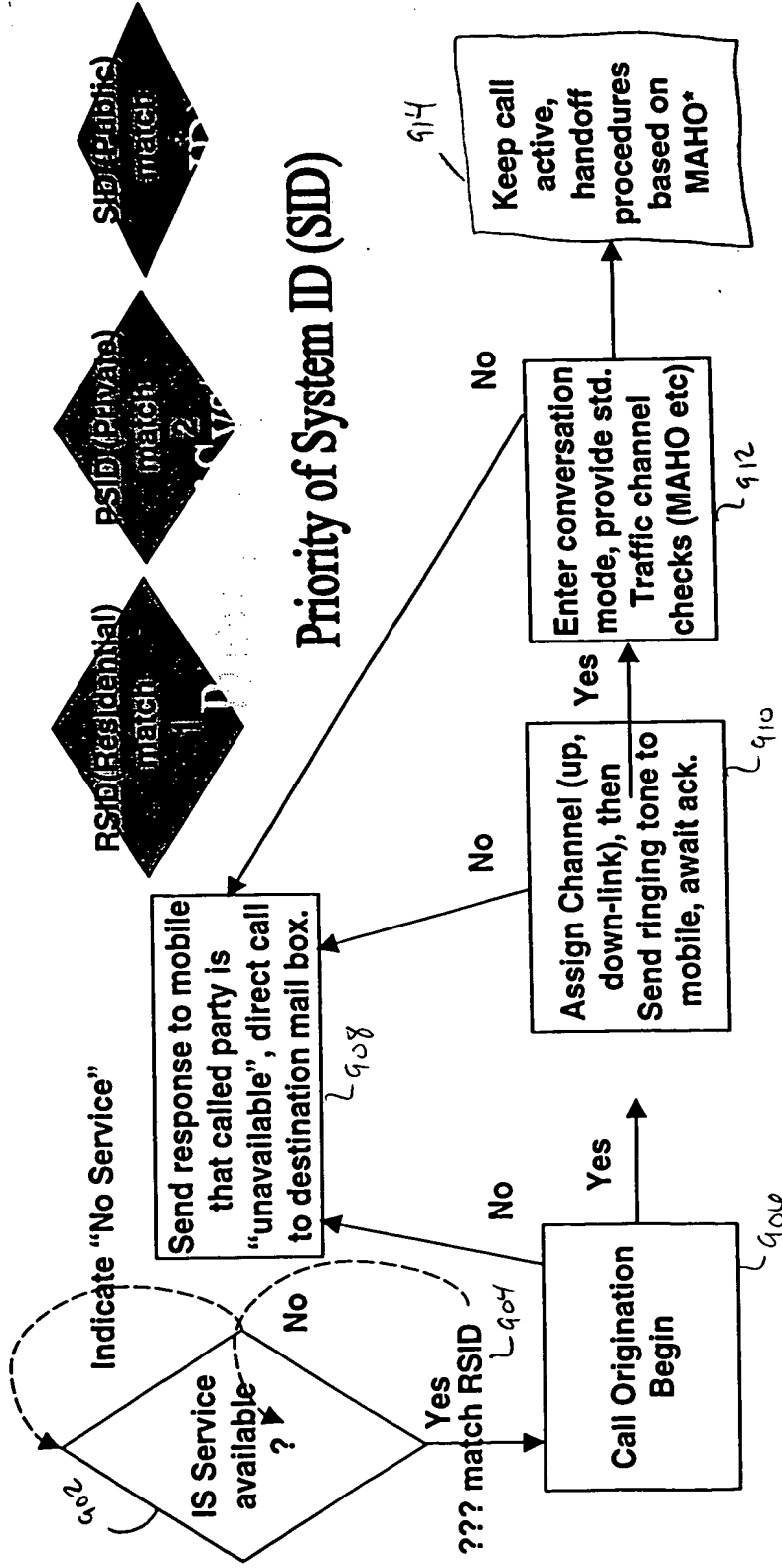
*MAHO - Mobile Assisted Hand-Off is used with centralized PerBS, if single PerBS is used then dedicated hand-off to a pre-designated channel in public cellular system is preferred.

FIGURE 7



*MAHO - Mobile Assisted Hand-Off is used with centralized PerBS, if single PerBS is used then dedicated hand-off to a pre-designated channel in public cellular system is preferred.

FIGURE 8



*MAHO - Mobile Assisted Hand-Off is used with centralized PerBS, if single PerBS is used then dedicated hand-off to a pre-designated channel in public cellular system is preferred.

FIGURE 9

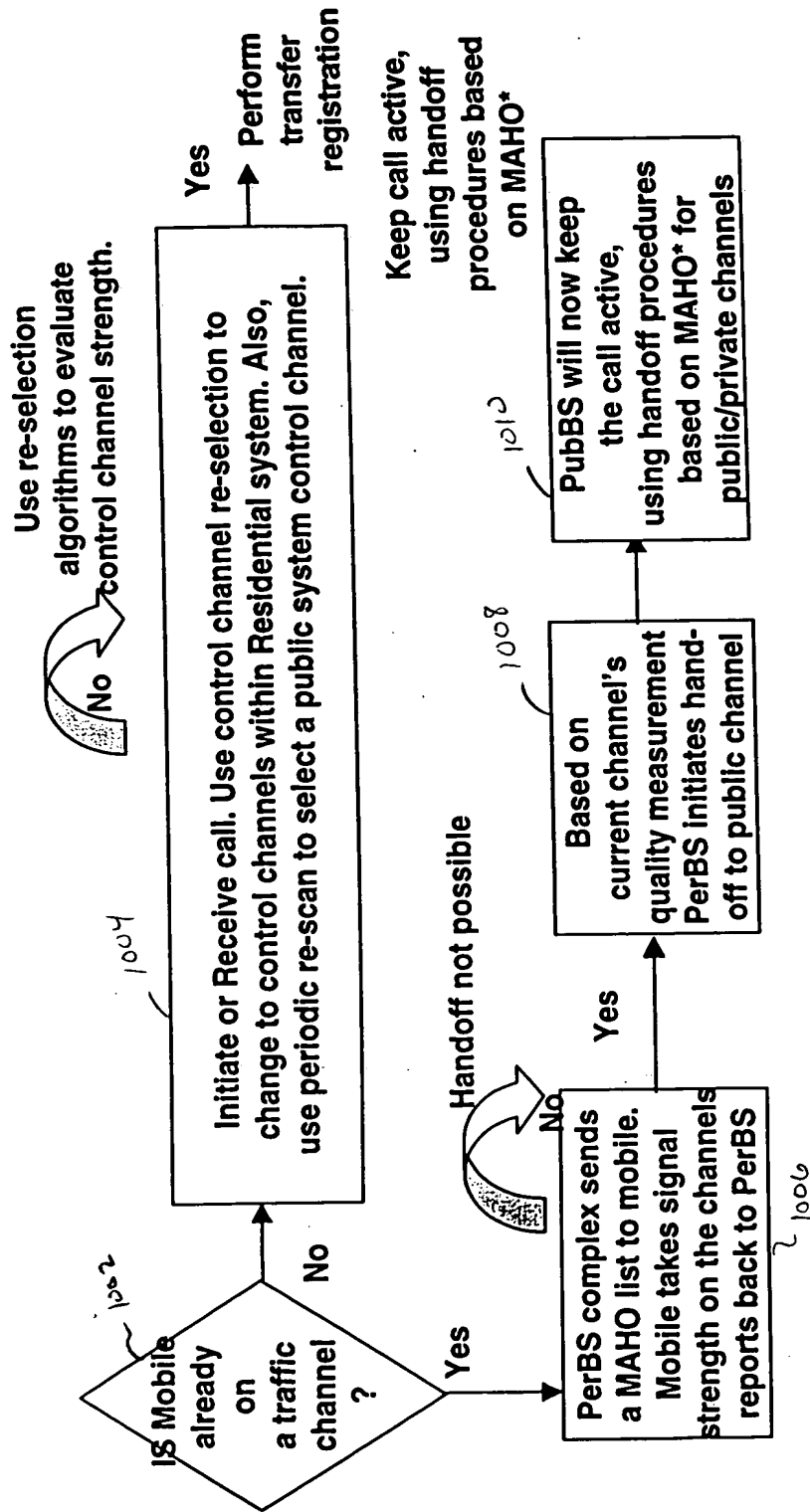
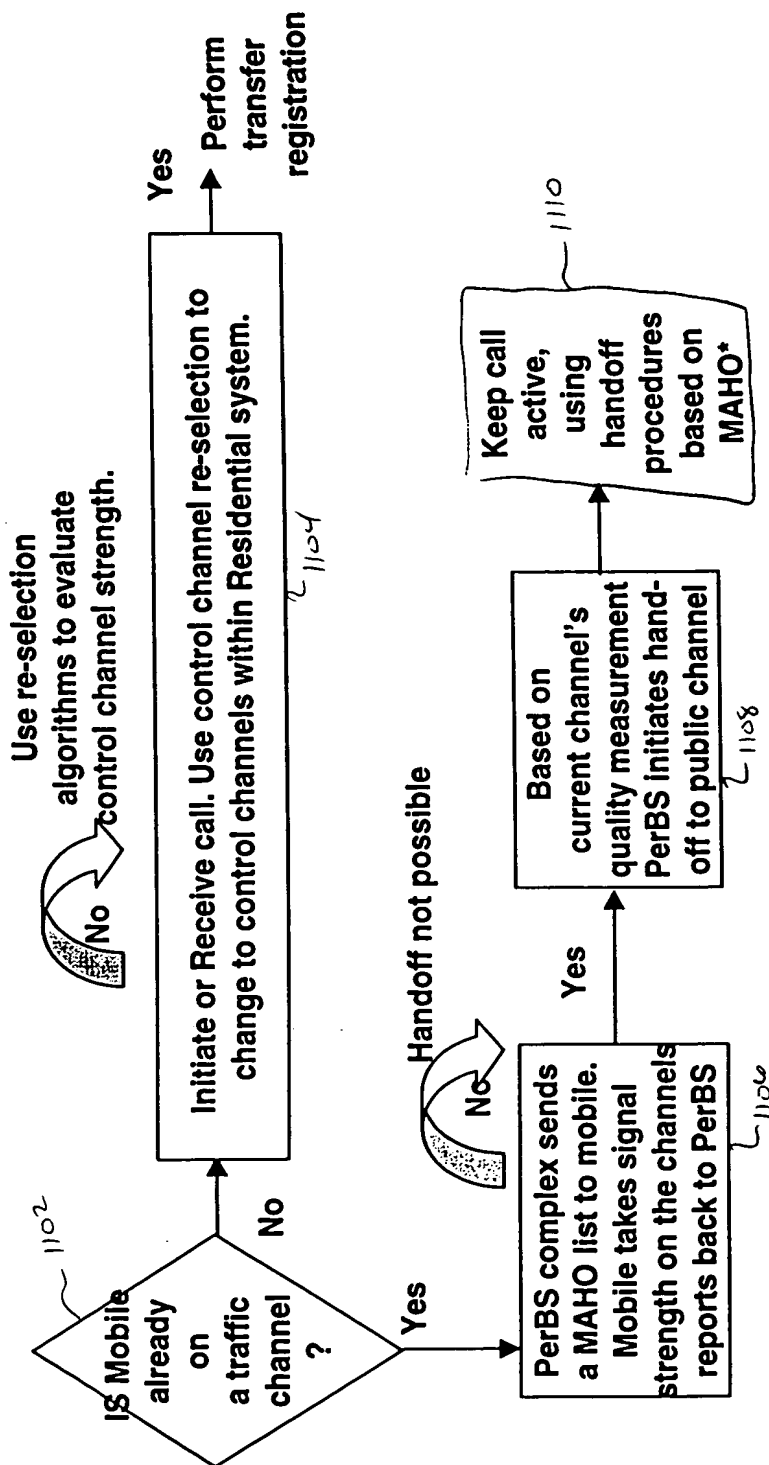


FIGURE 10



*MAHO - Mobile Assisted Hand-Off is used with centralized PerBS. Residential to Public hand-off uses this procedure if PerBS is centralized. Otherwise a dedicated hand-off is used.

FIGURE 11